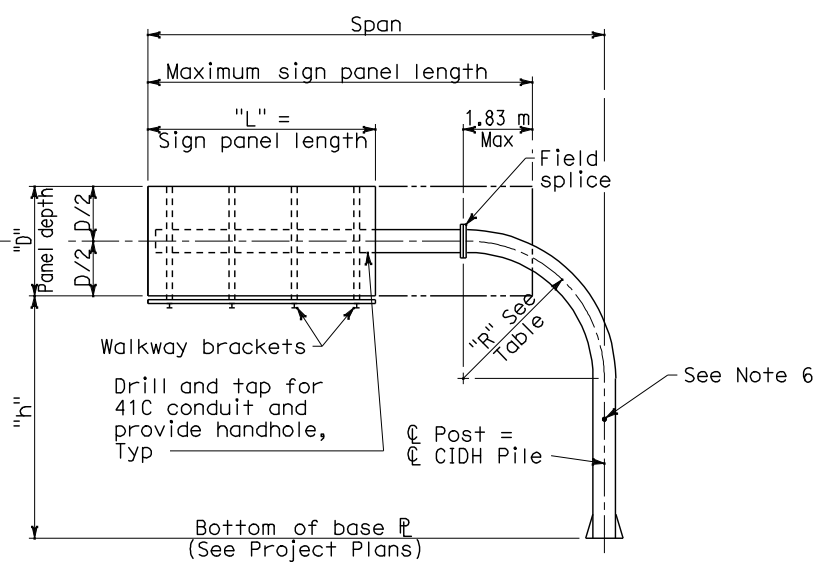


SLANTED POST CANTILEVER



VERTICAL POST CANTILEVER

| "D" (mm) Panel Depth | "D" (m) Panel Depth | "H" (m) Post Height | POST TYPE # FOR SPANS OF CANTILEVER | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------------|------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--|
| | | | 11.59 m span Col # | 11.28 m span Col # | 10.98 m span Col # | 10.67 m span Col # | 10.37 m span Col # | 10.06 m span Col # | 9.76 m span Col # | 9.45 m span Col # | 9.15 m span Col # | 8.84 m span Col # | 8.54 m span Col # | 8.23 m span Col # | 7.93 m span Col # | 7.62 m span Col # | 7.32 m span Col # | 7.01 m span Col # | 6.71 m span Col # | 6.40 m span Col # | 6.10 m span Col # | |
| 3048 | 3.05 | 8.84 | - | - | - | - | - | - | - | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | |
| 3048 | 3.05 | 8.23 | - | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | |
| 3048 | 3.05 | 7.62 | - | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | |
| 3048 | 3.05 | 7.01 | - | - | - | - | - | - | - | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | |
| 3048 | 3.05 | 6.40 | - | - | - | - | - | - | - | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 2794 | 2.79 | 8.84 | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | |
| 2794 | 2.79 | 8.23 | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | |
| 2794 | 2.79 | 7.62 | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | |
| 2794 | 2.79 | 7.01 | - | - | - | - | - | - | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 2794 | 2.79 | 6.40 | - | - | - | - | - | - | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 2540 | 2.54 | 8.84 | - | - | - | - | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | |
| 2540 | 2.54 | 8.23 | - | - | - | - | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | |
| 2540 | 2.54 | 7.62 | - | - | - | - | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 2540 | 2.54 | 7.01 | - | - | - | - | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 2540 | 2.54 | 6.40 | - | - | - | - | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 2286 | 2.29 | 8.84 | - | - | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 2286 | 2.29 | 8.23 | - | - | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 2286 | 2.29 | 7.62 | - | - | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 2286 | 2.29 | 7.01 | - | - | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | |
| 2286 | 2.29 | 6.40 | - | - | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 2032 | 2.03 | 8.84 | - | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 2032 | 2.03 | 8.23 | - | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | |
| 2032 | 2.03 | 7.62 | - | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 2032 | 2.03 | 7.01 | - | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 2032 | 2.03 | 6.40 | - | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | |
| 1778 | 1.78 | 8.84 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | |
| 1778 | 1.78 | 8.23 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 1778 | 1.78 | 7.62 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | |
| 1778 | 1.78 | 7.01 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | |
| 1778 | 1.78 | 6.40 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1524 | 1.52 | 8.84 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | |
| 1524 | 1.52 | 8.23 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | |
| 1524 | 1.52 | 7.62 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1524 | 1.52 | 7.01 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1524 | 1.52 | 6.40 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1270 | 1.27 | 8.84 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1270 | 1.27 | 8.23 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1270 | 1.27 | 7.62 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1270 | 1.27 | 7.01 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1270 | 1.27 | 6.40 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |



DIST

COUNTY

ROUTE

KILOMETER POST TOTAL PROJECT

SHEET NO.

TOTAL SHEETS

REGISTERED CIVIL ENGINEER

January 24, 2005

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

REGISTERED PROFESSIONAL ENGINEER

Tillat Sattar

No. C42892

Exp. 03-31-2006

CIVIL

STATE OF CALIFORNIA

To accompany plans dated _____

NOTES

- The maximum sign panel overlap onto the post elbow shall not exceed 1.83 m from the field splice.
- When several sign panels are to be installed with a space between the panels, the space shall be as small as possible and 610 mm maximum.
- All posts between base plate and field splice shall be as scheduled in table. All mast arms are standard pipe.
- During sign erection the post shall be raked as necessary with the use of leveling nuts to level the sign panel.
- At final position of post all top and bottom anchor bolt nuts shall be snug tighten against base plate.
- Drill and tap for 41C chase nipple and plug with recessed pipe plugs. Place perpendicular to sign panel axis and away from approaching traffic. See Standard Plan ES-15C.
- NPS - Nominal Pipe Size.
- Post type # in Roman or Numerical implies the same specification of pipe post.

| Post type # | Specification of pipe post | "R" radius (mm) | kg/m |
|-------------|----------------------------|-----------------|-------|
| I | pipe NPS 20 x 12.7 tk | 3658 | 154.9 |
| II | pipe NPS 24 x 12.7 tk | 3658 | 186.8 |
| III | pipe NPS 24 x 15.9 tk | 3658 | 232.2 |
| IV | pipe NPS 30 x 12.7 tk | 3658 | 234.5 |
| V | pipe NPS 30 x 15.9 tk | 3658 | 291.7 |
| VI | pipe NPS 30 x 19.05 tk | 3658 | 348.2 |

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**OVERHEAD SIGNS-TUBULAR
SINGLE POST TYPE
LAYOUT AND PIPE SELECTION**

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

RSP S31 DATED JANUARY 24, 2005 SUPERSEDES STANDARD PLAN S31
DATED JULY 1, 2004-PAGE 333 OF THE STANDARD PLANS BOOK DATED JULY 2004.

REVISED STANDARD PLAN RSP S31